

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1. (Canceled)
2. (Currently Amended) The method according to claim 5, further comprising utilizing the circuit switched call to provide the one or more conversational bearers.
3. (Previously Presented) The method according to claim 2, further comprising utilizing the packet switched session to provide non-conversational bearers established over said IP based packet switched network.
4. (Canceled)
5. (Currently Amended) A method of setting up a session between first and second peer user terminals of a communication system, wherein at least one of the peer user terminals is a dual-mode mobile terminal having access to an Internet Protocol (IP) based packet switched network and a circuit switched access network, said session extending at least in part across the circuit switched access network, the method comprising the steps of:
~~establishing a packet switched session between the peer user terminals via an Internet Protocol, IP, transporting signaling to initiate the session via the IP based~~
packet switched access network using a call control protocol which is also used for setting up end-to-end packet switched sessions, ~~wherein the step of establishing a packet switched session includes utilizing the~~ signaling being Session Initiation Protocol, SIP, (SIP) signaling exchanged between ~~at least one of the peer user~~

terminals the dual mode mobile terminal and a SIP server of an IP Multimedia Core Network Subsystem (IMS);

~~receiving a session initiation request at the SIP server, said session initiation request including a circuit switched telephone number and requesting establishment of at least one circuit switched conversational bearer;~~

~~associating the packet switched session with the circuit switched telephone number;~~

~~the SIP server notifying a gateway server of the request to establish the circuit switched conversational bearer; and~~

~~the gateway server setting up a circuit switched call between the peer user terminals in parallel with the packet switched session.~~

sending a notification from the SIP server to a gateway server that one or more conversational bearers must be established, the gateway server terminating the circuit switched session within the system;

after notification from the SIP server, sending from the gateway server to the dual-mode mobile terminal, a callback telephone number; and

calling the callback telephone number by the dual-mode mobile terminal to establish a circuit switched call with the gateway server.

6. (Canceled)

7. (Previously Presented) The method according to claim 5, wherein said SIP server and said gateway server are co-located.

8. (Previously Presented) The method according to claim 5, wherein the gateway server provides interworking between the circuit switched call and the packet switched session.

9. (Canceled)

10. (Previously Presented) The method according to claim 9, wherein at least one peer user terminal is notified of the callback telephone number via the SIP server.

11. (Previously Presented) The method according to claim 10, wherein the gateway server maps the established circuit switched call to the packet switched session based on the callback telephone number.

12. (Previously Presented) The method according to claim 9, wherein the gateway server selects the callback telephone number from a pool of available callback numbers.

13. (Previously Presented) The method according to claim 5, further comprising determining by the SIP server that the packet switched session requires setting up a circuit switched call as a result of one or more of the following:

- properties of the system known to the SIP server;
- prior notification by at least one of the peer user terminals;
- information contained in the SIP signaling initiating the packet switched session;
- properties defined for at least one of the peer user terminals;
- prior notification from a visited network if one of the peer user terminals is roaming; and
- prior notification from the packet switched access network used by one of the peer user terminals.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) A Session Initiation Protocol (SIP) server for use in an Internet Protocol, ~~IP~~, (IP) Multimedia Core Network Subsystem, the server comprising:

means for receiving an INVITE request from a dual-mode user terminal, over an IP based packet switched domain, initiating a packet switched session;

means for determining that the packet switched session requires setting up of at least one circuit switched conversational bearer over a circuit switched access network serving the dual-mode user terminal; and

~~means for causing the at least one circuit switched conversational bearer to be set up in parallel with the packet switched session.~~

means for sending a notification from the SIP server to a gateway server that one or more conversational bearers must be established, the gateway server terminating the circuit switched session within the system; and

means for receiving a callback telephone number from the gateway server and for forwarding the callback number to the dual-mode terminal.

17. (Currently Amended) A gateway server for providing an interface between a circuit switched access network and a packet switched network, the gateway server having an interface towards a Session Initiation Protocol, ~~SIP~~, (SIP) server of an Internet Protocol, ~~IP~~, (IP) Multimedia Core Network Subsystem, said gateway server comprising:

means for receiving from the SIP server, signaling instructing the setting up of a circuit switched call over the circuit switched access network with a dual-mode user terminal; and

~~means for setting up the circuit switched call in parallel with a packet switched session.~~

means for sending a callback number to the dual-mode user terminal in response to receipt of the signaling; and

means for terminating a call made to the callback number by the dual-mode user terminal.

18-21. (Canceled)